

Appl. No. 10/658,090  
Atty. Docket No. 9024M2  
Amdt. dated: July 8, 2005  
Amendment & Reply to the Office Action dated March 8, 2005

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### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, listings of claims in the application:

#### Listing of Claims

1. (Currently Amended) A laundry product composition comprising a stable mixture of:
  - a) from about 0.1% to about 10%, by weight of the composition, of at least one water insoluble silicone derivative fabric care benefit agent, wherein the silicone derivative fabric care benefit agent has a particle size of from about 1nm to 100 microns; and
  - b) from about 0.01% to about 5%, by weight of the composition, of at least one cationic cellulose delivery enhancing agent;
  - c) from about 1% to about 80%, by weight of the composition, of a surfactant;
  - d) from about 0.1% to about 80%, by weight of the composition, of a builder;
  - e) from about 0.001% to about 5%, by weight of the composition, of a compatible enzyme selected from lipase enzymes, protease enzymes or mixtures thereof;

wherein the ratio of the delivery enhancing agent to the fabric care benefit agent is from about 1:50 to about 1:1.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Original) A laundry product composition according to Claim 1 wherein the stable mixture is formed in situ.
7. (Canceled)
8. (Canceled)
9. (Canceled)

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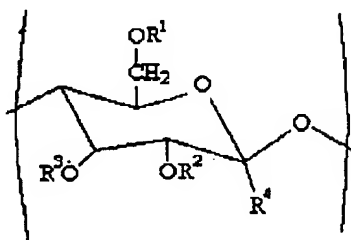
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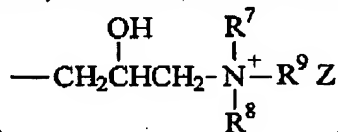
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10. (Original) A laundry product composition according to Claim 1 wherein the cationic cellulose has the structure:



wherein  $R^1$ ,  $R^2$ ,  $R^3$  are each independently H,  $CH_3$ ,  $C_{8-24}$  alkyl (linear or branched),

$\left( \text{CH}_2\text{CH}(\text{R}^5)\text{O} \right)_n \text{Rx}$  or mixtures thereof; wherein  $n$  is from about 1 to about 10;  $R^5$  is H,  $CH_3$ ,  $CH_2CH_3$ , or mixtures thereof;  $R^7$  is  $CH_3$ ,  $CH_2CH_3$ , a phenyl group, a  $C_{8-24}$  alkyl group (linear or branched), or mixture thereof; and



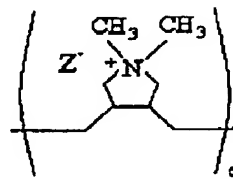
$CH_3$ ,  $C_{8-24}$  alkyl (linear or branched),

or mixtures thereof,

wherein  $Z$  is a chlorine ion, bromine ion, or mixture thereof;  $R^5$  is H,  $CH_3$ ,  $CH_2CH_3$ , or mixtures thereof;  $R^7$  is  $CH_3$ ,  $CH_2CH_3$ , a phenyl group, a  $C_{8-24}$  alkyl group (linear or branched), or mixture thereof; and

$R^8$  and  $R^9$  are each independently  $CH_3$ ,  $CH_2CH_3$ , phenyl, or mixtures thereof:

$R^4$  is H,  $\left( \text{P} \right)_m \text{H}$ , or mixtures thereof wherein  $P$  is a repeat unit of an addition polymer



formed by radical polymerization of a cationic monomer

wherein  $Z'$

is a chlorine ion, bromine ion or mixtures thereof and  $q$  is from about 1 to about 10.

11. (Currently Amended) A laundry product composition according to Claim 3 wherein the silicone derivative is a non-functionalized silicone having a linear, grafted, or cyclic structure; a functionalized silicone; a copolymer with one or more different types of functional groups that is an amino, alkoxy, alkyl, phenyl, polyether, acrylate, silconhydride, mercaptopropyl, carboxylic acid, quaternized nitrogen, or mixture thereof, or a mixture thereof.

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12. (Original) A laundry product composition according to Claim 11 wherein the non-functionalized silicone is polydimethylsiloxane.

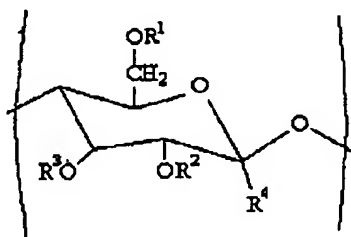
13. (Currently Amended) A detergent laundry product composition comprising:

- a) from about 1% to about 80%, by weight of the composition, of a deterative surfactant that is an anionic surfactant, cationic surfactant, nonionic surfactant, amphoteric surfactant, zwitterionic surfactant, or a mixture thereof;
  - b) from about 0.1% to about 10%, by weight of the composition, of a water insoluble silicone derivative fabric care benefit agent;
  - c) from about 0.01% to about 5%, by weight of the composition, of a cationic cellulose delivery enhancing agent;
  - d) from about 0.1% to about 80%, by weight of the composition, of a builder;
  - e) from about 0.001% to about 5%, by weight of the composition, of a compatible enzyme selected from lipase enzymes, protease enzymes or mixtures thereof; and
- wherein the ratio of the delivery enhancing agent to the fabric care benefit agent is from about 1:50 to about 1:1.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) A detergent composition according to Claim 45 13 wherein the cationic cellulose has the structure:



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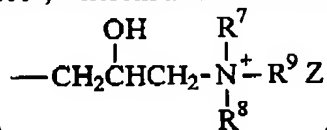
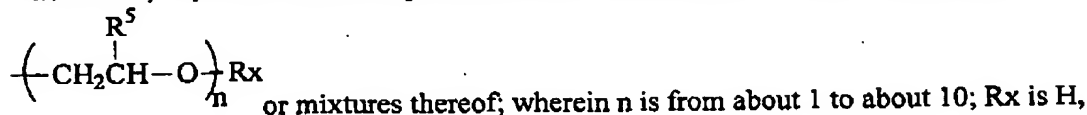
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wherein  $R^1, R^2, R^3$  are each independently H,  $CH_3$ ,  $C_{8-24}$  alkyl (linear or branched),

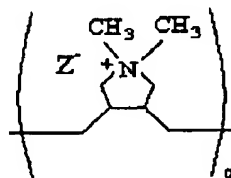


$CH_3$ ,  $C_{8-24}$  alkyl (linear or branched),

Z is a chlorine ion, bromine ion, or mixture thereof;  $R^5$  is H,  $CH_3$ ,  $CH_2CH_3$ , or mixtures thereof;  $R^7$  is  $CH_3$ ,  $CH_2CH_3$ , a phenyl group, a  $C_{8-24}$  alkyl group (linear or branched), or mixture thereof; and

$R^8$  and  $R^9$  are each independently  $CH_3$ ,  $CH_2CH_3$ , phenyl, or mixtures thereof:

$R^4$  is H,  $\left( \text{P} \right)_m^H$ , or mixtures thereof wherein P is a repeat unit of an addition polymer



formed by radical polymerization of a cationic monomer

wherein Z'

is a chlorine ion, bromine ion or mixtures thereof and q is from about 1 to about 10.

17. (Currently Amended) A detergent composition according to Claim 14 16 wherein the silicone derivative is a non-functionalized silicone having a linear, grafted, or cyclic structure; a functionalized silicone; a copolymer with one or more different types of functional groups that is an amino, alkoxy, alkyl, phenyl, polyether, acrylate, siliconhydride, mercaptopropyl, carboxylic acid, quaternized nitrogen, or mixture thereof, or a mixture thereof.

18. (Currently Amended) A ~~laundry product~~ detergent composition according to Claim 17 wherein the non-functionalized silicone is polydimethylsiloxane.

19. (Original) A detergent composition according to Claim 13 wherein the composition is a liquid detergent.

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20. (Canceled)

21. (New) A laundry product composition according to Claim 1 wherein the composition further comprises from about 0.001% to about 10% of an effective enzyme stabilizing system.

22. (New) A laundry product composition according to Claim 1 wherein the enzyme stabilizing system comprises calcium ions, boric acid, propylene glycol, short chain carboxylic acids, boronic acids, or mixtures thereof.

23. (New) A detergent composition according to Claim 13 wherein the composition further comprises from about 0.001% to about 10% of an effective enzyme stabilizing system.

24. (New) A detergent composition according to Claim 23 wherein the enzyme stabilizing system comprises calcium ions, boric acid, propylene glycol, short chain carboxylic acids, boronic acids, or mixtures thereof.

25. (New) A method of improving the fabric delivery efficacy of water insoluble fabric care benefit agents utilizing the detergent composition of Claim 1.

26. (New) A method of improving the fabric delivery efficacy of water insoluble fabric care benefit agents utilizing the detergent composition of Claim 13.